

## ABSTRACT

The invention provides a dynamic fee system usable in a vehicle sharing system. The system adjusts the applicable fees based on vehicle inventory at multi-port parking facilities. The system includes determining when a vehicle inventory at a port facility is optimal at a vehicle departure or destination port. Optimal inventory is when the number of vehicles contained with the port balance user demand and/or vehicle inventory is at neither a deficit nor a surplus at a port facility. Once an optimum inventory is determined, a base fee is established. The fee charged is equal to the base fee, above the base fee, or below the base fee when the vehicles located at the departure port are at optimum inventory, below optimum inventory, or above optimum inventory respectively.